GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:1479
ANSWERED ON:11.12.2003
SOLAR ENERGY IN RURAL AREAS
RAVINDRA KUMAR PANDEY

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the details of the achievements of the Government in regard to the energy sources in rural areas;

(b) whether the Union Government is organising training camps for farmers at the block level and whether success of these programmes is being reviewed;

(c) if so, the details thereof; and

(d) the number of persons in Jharkhand and Bihar to whom solar energy has been supplied by the State Governments during the last three years and the current year?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a) : Various programmes/schemes based on non-conventional energy sources such as solar, wind, biomass and small hydro are being implemented throughout the country, including rural areas. The cumulative achievements under various non-conventional energy programmes/schemes as on 30.9.2003 are given in Annexure-I.

(b) & (c) : The Ministry is providing financial assistance under the biogas programme for organizing user training camps for creating awareness regarding the use of biogas at the block/village level and progress/effectiveness of this programme is reviewed periodically. About 5000 such user training camps are organized annually.

(d) : About 10,537 solar lighting, pumping and solar cooking systems have been provided during 2000-01, 2001-02, 2002-03 and 2003-04 (upto 30.9.2003) in Jharkhand and Bihar. Details of such systems/devices installed in Jharkhand and Bihar for the aforesaid period are given in Annexure-II.

Annexure-I

Annexure-I referred to in reply to part (a) of Lok Sabha Unstarred Question No.1479 for 11-12-203 regarding Solar Energy in Rural Areas

Cumulative achievements under various non-conventional energy programmes as on 30.9.2003

Source/System (as on 30-09-2003)	Cumulative Achievement
A. Power from Renewables (MW)	
1. Solar Photovoltaic Power	3.32
2. Wind Power	2002
3. Small Hydro Power (up to 25 MW)	1530.39
4. Biomass Cogeneration Power	570.90
5. Biomass Gasifier	57.10
Power from Renewables (Total in MW)	4163.71
B. Decentralized Energy Systems	
6. Family-size Biogas plants (Nos. in lakhs)	35.43
7 CBP/IBP/NBP Plants (Nos.)	3902
8. Improved Chulha (Nos. in crores)	3.52
9. Solar Photovoltaic Systems	
i. Solar Street Lighting Systems (Nos.)	43474
ii. Home Lighting Systems (Nos.)	260187
iii. Solar Lanterns (Nos.)	441481
iv. SPV Power Plants (kWp)	1455.70
10. Solar Cookers (Nos.)	546830
11. Solar PV Pumps (Nos.)	6452
12. Wind Pumps (Nos.)	940
13. Hybrid Systems (kW)	225.09

14. Integrated Rural Energy Programme(Nos. of Blocks) 860

CBP/IBP/NBP = Community/Institutioanl/Night soil biogas plants
Sq. km.= Square Kilometre Sq. m.= Square meter
MW = Mega-watt KW = Kilo watt kWp = Kilo watt peak

Annexure-II

Annexure-II referred to in reply to part (d) of Lok Sabha unstarred Question No.1479 for11-12-2003 regarding Solar Energy in Rural Areas.

Solar energy systems/devices installed in Jharkhand and Bihar during the 2000-01, 2001-02, 2002-03 and 2003-04 (upto 30-9-2003)

S.No. System/Device Bihar Jharkhand

1. Solar street lighting system (Nos.) 232 235

2. Solar home lighting system (Nos.) 1225 552

3. Solar lantern (Nos.) 8000 -

4. Solar photovoltaic pumps (Nos.) 10 03

5. Solar cooker (Nos.) - 280